

Senior Transportation Officer Qualification Course

MOVEMENT MANAGEMENT

MOVEMENT MANAGEMENT DOCTRINE

Movement Management is planning, routing, scheduling, controlling, coordination and in-transit visibility of personnel, equipment, and supplies moving over lines of communications.

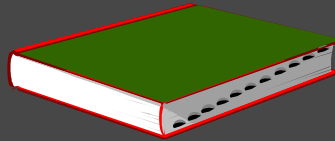
Movement vs Maneuver

Movement - Moving equipment, supplies and personnel over the lines of communications (LOC).

Maneuver - Is the movement of forces supported by fire to achieve an advantage from which to destroy

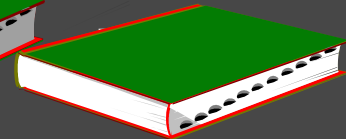
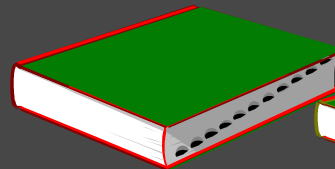
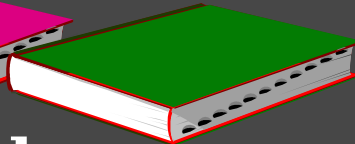
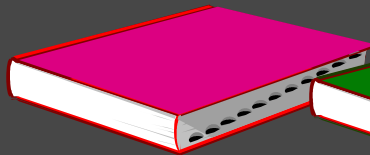
CURRENT MOVEMENT CONTROL DOCTRINE

- C2/Force Structure



TO&E

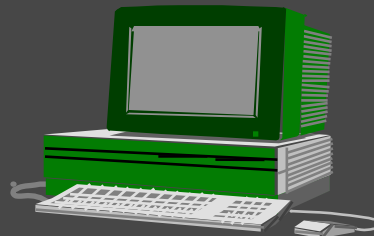
- Doctrine Joint Pub
4-01.3



FM 55-10 FM 55 Series

- Automation and

Communication



- Issues

Staff Planner

DTO, CTO, DCSLOG TRANS

- ❖ Advise operational commander and staff.
- ❖ Provide technical assistance.
- ❖ Coordinate transportation staff actions.
- ❖ Conduct operational/tactical planning.
- ❖ Evaluate transportation effectiveness.
- ❖ Develop and execute the Highway Regulation plan. (DTO only)
- ❖ Validate CSS Theater airlift requirements. (DTO only)

MOVEMENT MANAGERS

Movement Control Officer (MCO)

Movement Control Center (MCC)

Theater Army Movement Control
Agency (TAMCA)

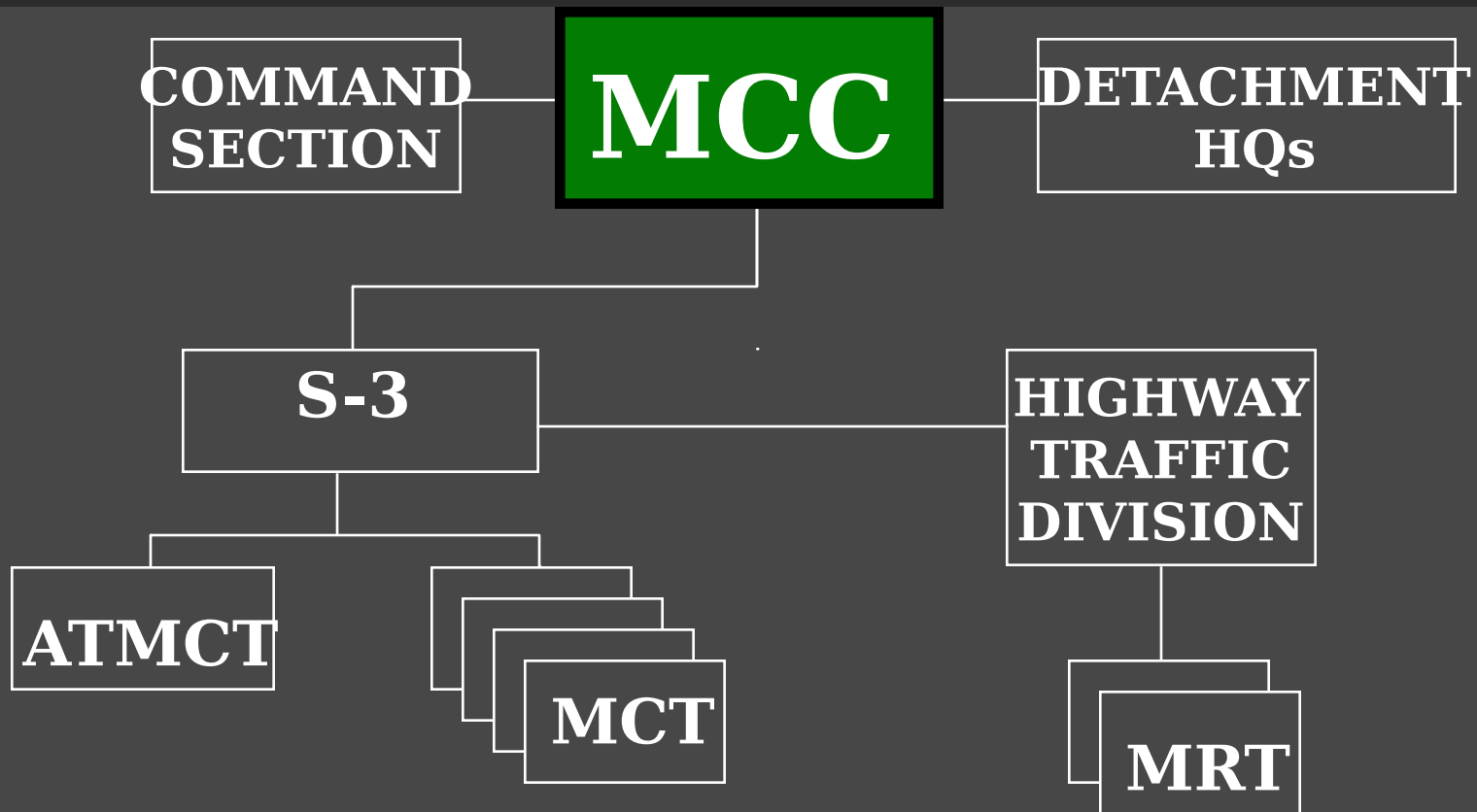
Movement Control Officer (MCO)



MOVEMENT
MANAGER

- ❖ Coordinate transportation support and commit mode operators.
- ❖ Develop and execute movement programs.
- ❖ Develop and execute highway regulations plan (MCC, TAMCA / Trans Bn MC)
- ❖ Maintain and report In-transit visibility (ITV) and asset visibility.
- ❖ Advise logistical commander and staff and staff planner.
- ❖ Develop subordinate transportation plans. (MCC, TAMCA / Trans Bn MC)

CORPS MOVEMENT CONTROL CENTER



Theater Army Movement Control Agency (TAMCA)

- ❖ Expedite, Coordinate, and Monitor Transportation Support on Area Basis or at a Transportation Terminal.
- ❖ Common Point of Contact in Corps and COMMZ for Customer Support.
- ❖ Commit Mode Operators or Forward Requirements to Higher Headquarters.
- ❖ Assist Commanders in Movement Planning.

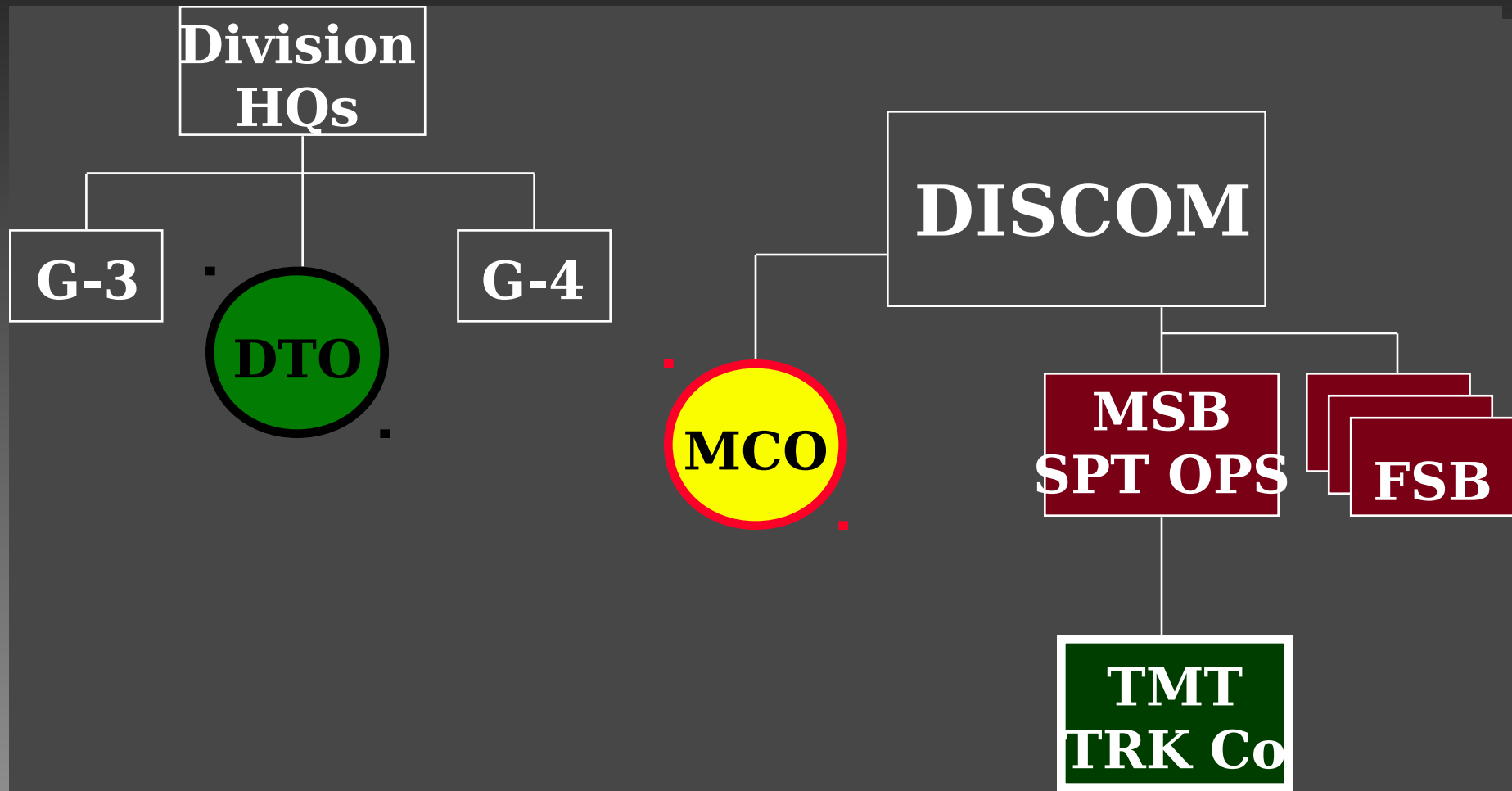
MULTIFUNCTIONAL MODE OPERATORS MSB, CSB, CSG, & COSCOM



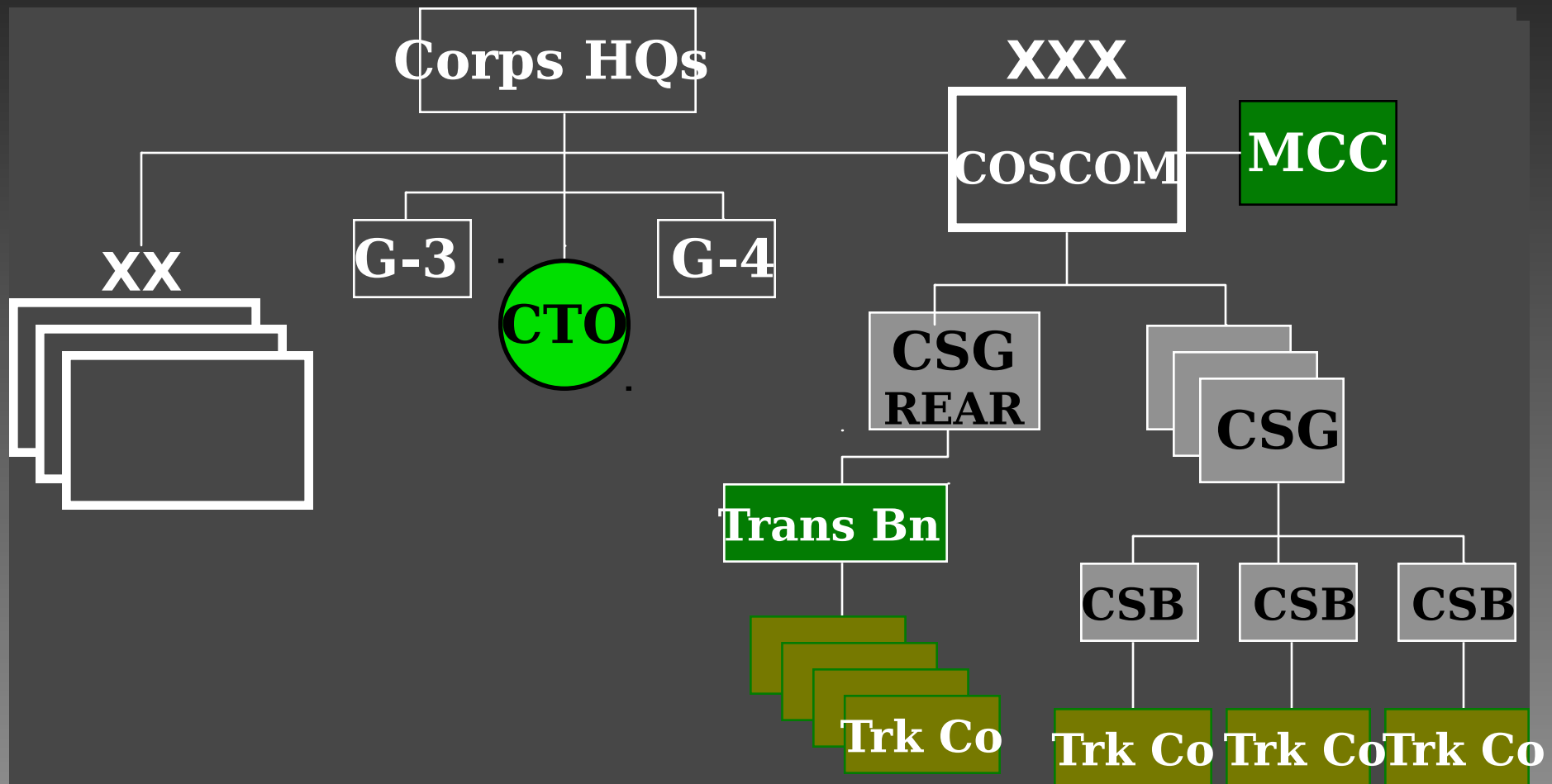
MODE
OPERATOR

- ❖ Execute support relationships. Advise multifunctional commander and staff.
- ❖ Supervise intermodal and trailer transfer operations.
- ❖ Provide transportation assets as committed.
- ❖ Task mode operators to support requirements.

Division Transportation Structure



Corps Transportation Structure



MODE OPERATOR

TMT TRK Co, CSG TRK Cos &
TRANSCOM



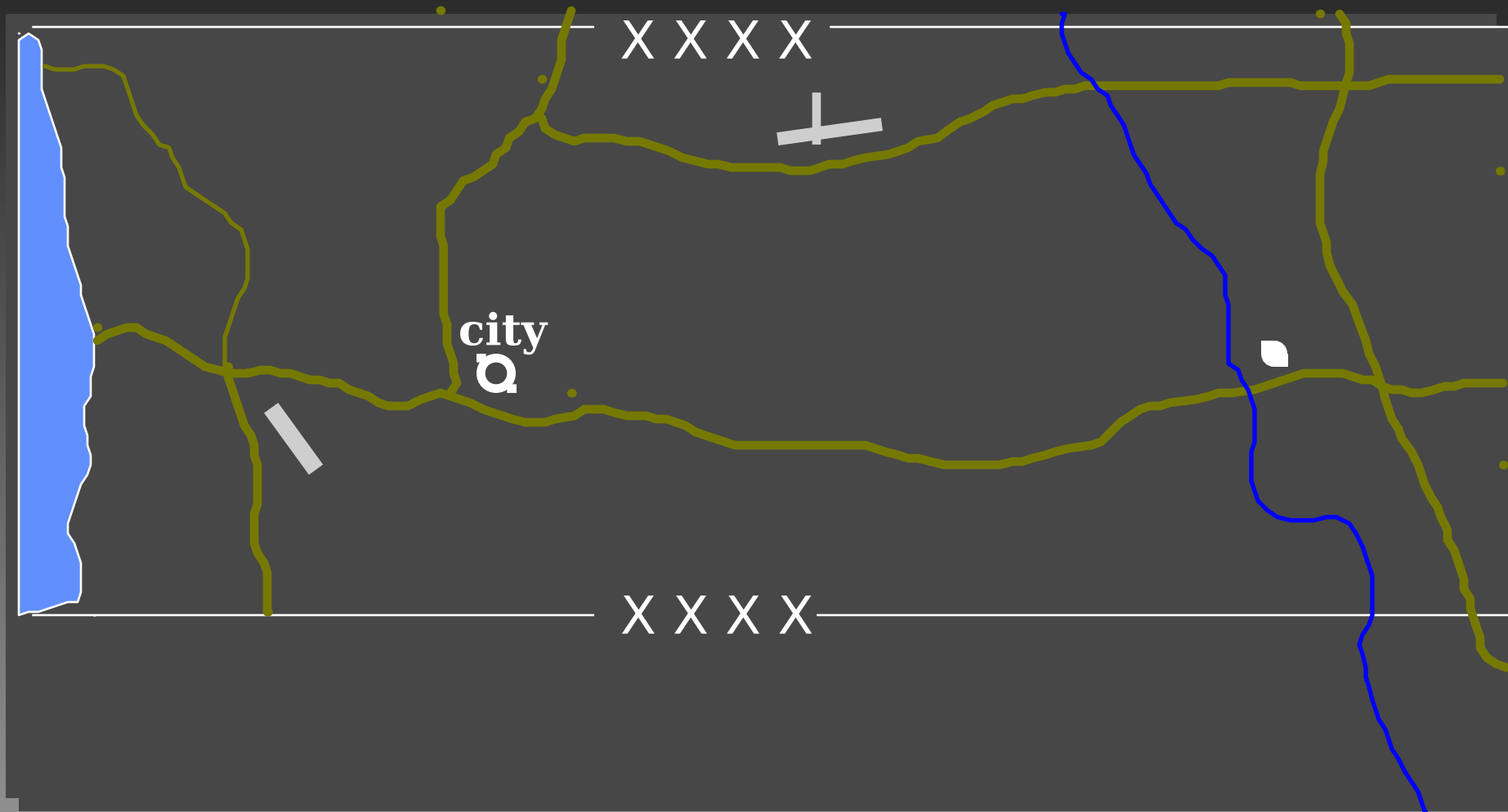
MODE
OPERATOR

- ❖ Command and control fleet and Common User Land Transport (CULT) assets.
- ❖ Provide transportation assets as tasked.
- ❖ Operate trailer transfer points and inland terminals.

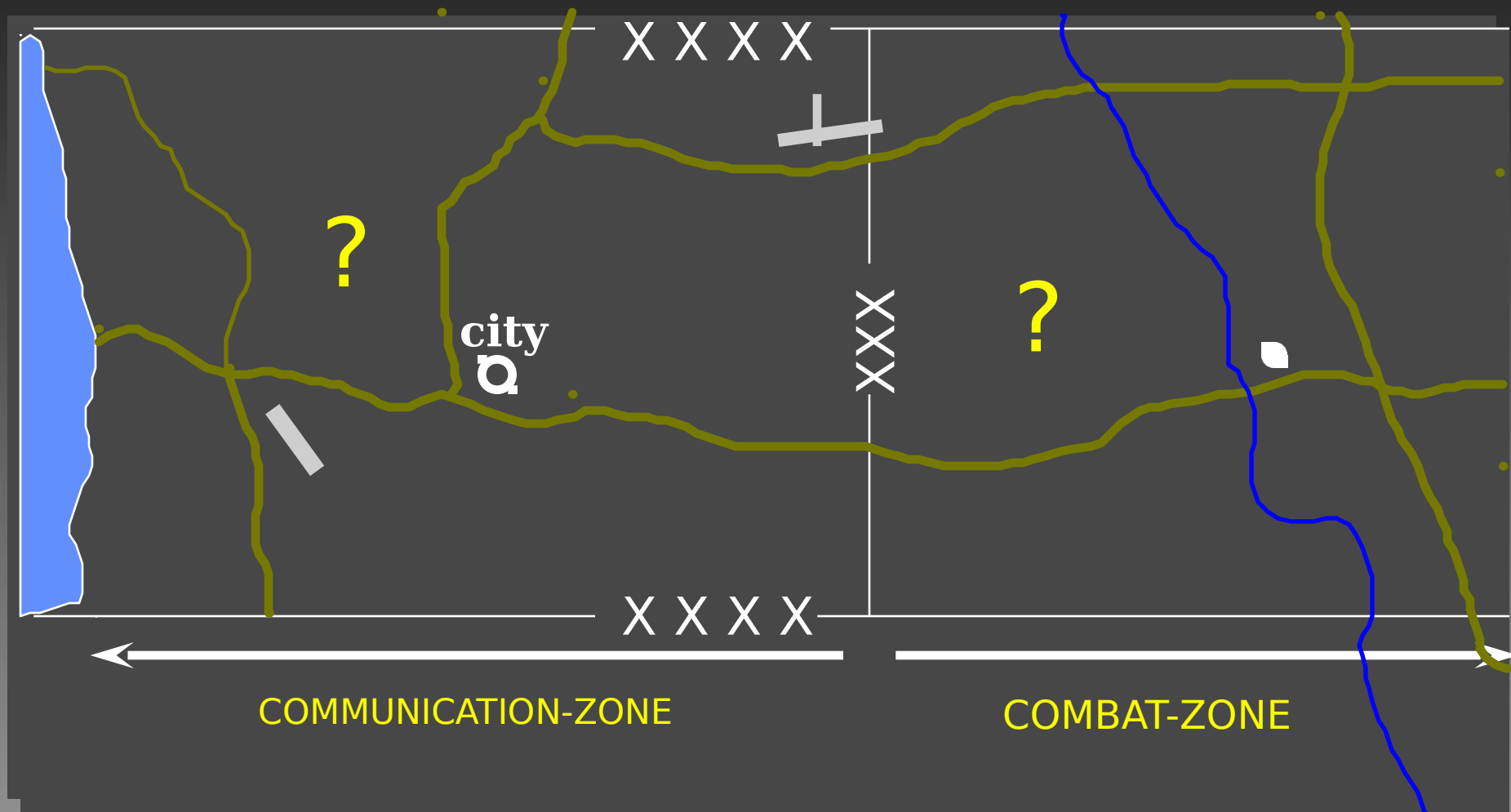
THEATER OF OPERATIONS

- The theater or area of operations has no set size or boundary limitations.
- Many full theater boundaries are actually adjacent country boundaries.
- Most theaters have a sea port of debarkation

THEATER BOUNDARIES



THEATER OF THEATER OF OPERATIONS

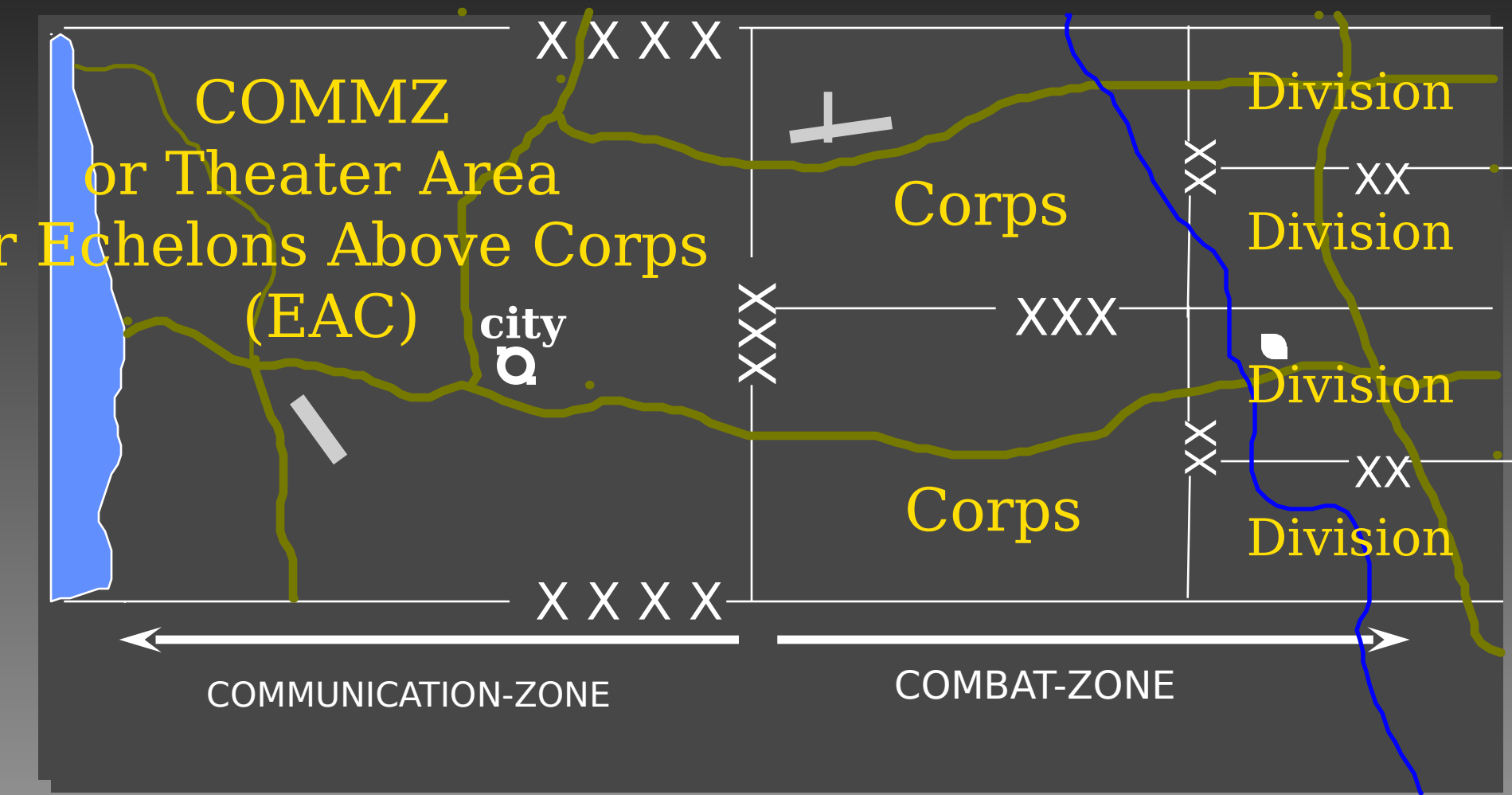


COMMZ
or Theater Area
or Echelons Above Corps
(EAC) city

Corps Area

COMBAT-ZONE

Division Boundaries

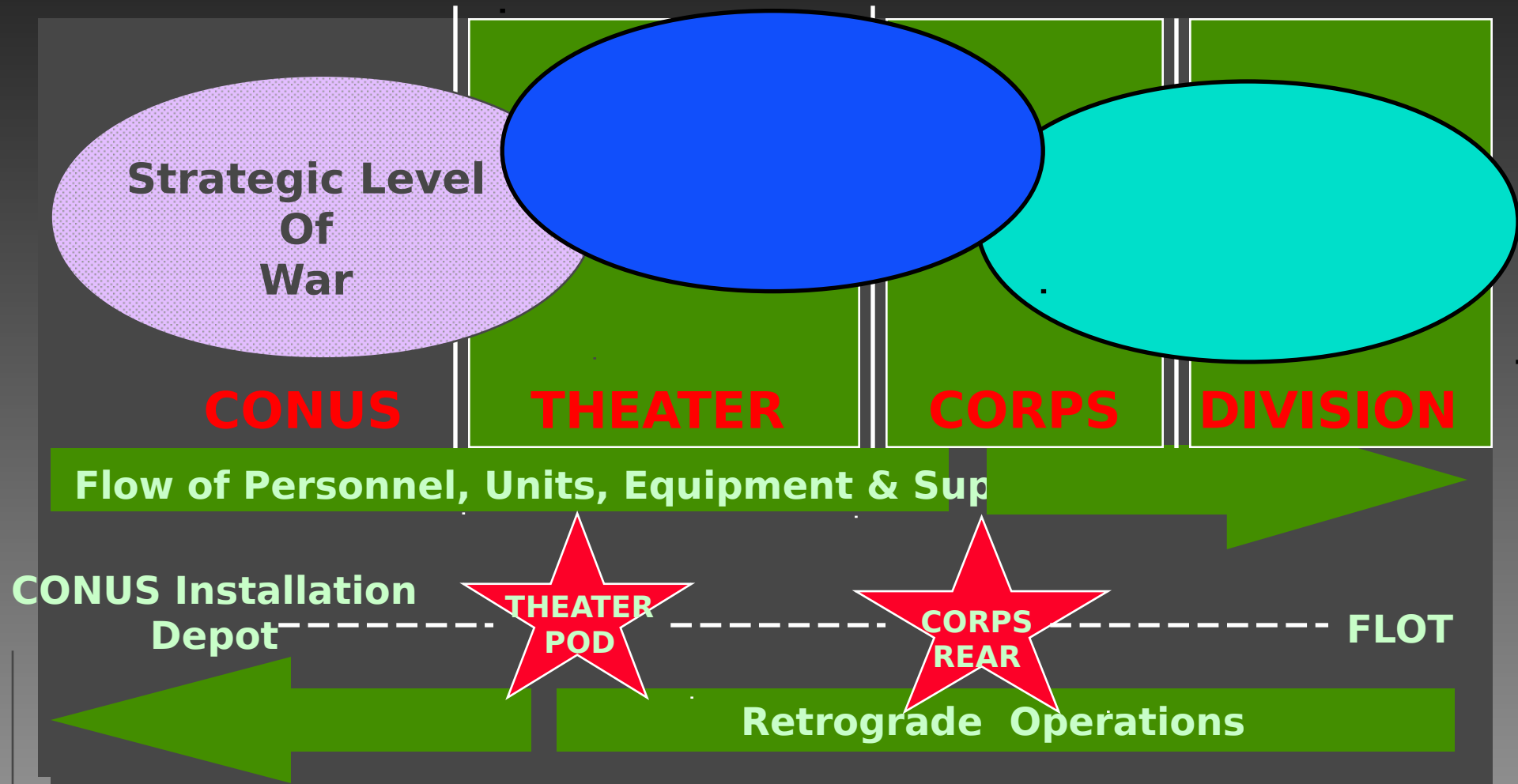


MOVEMENT CONTROL CONTINUUM

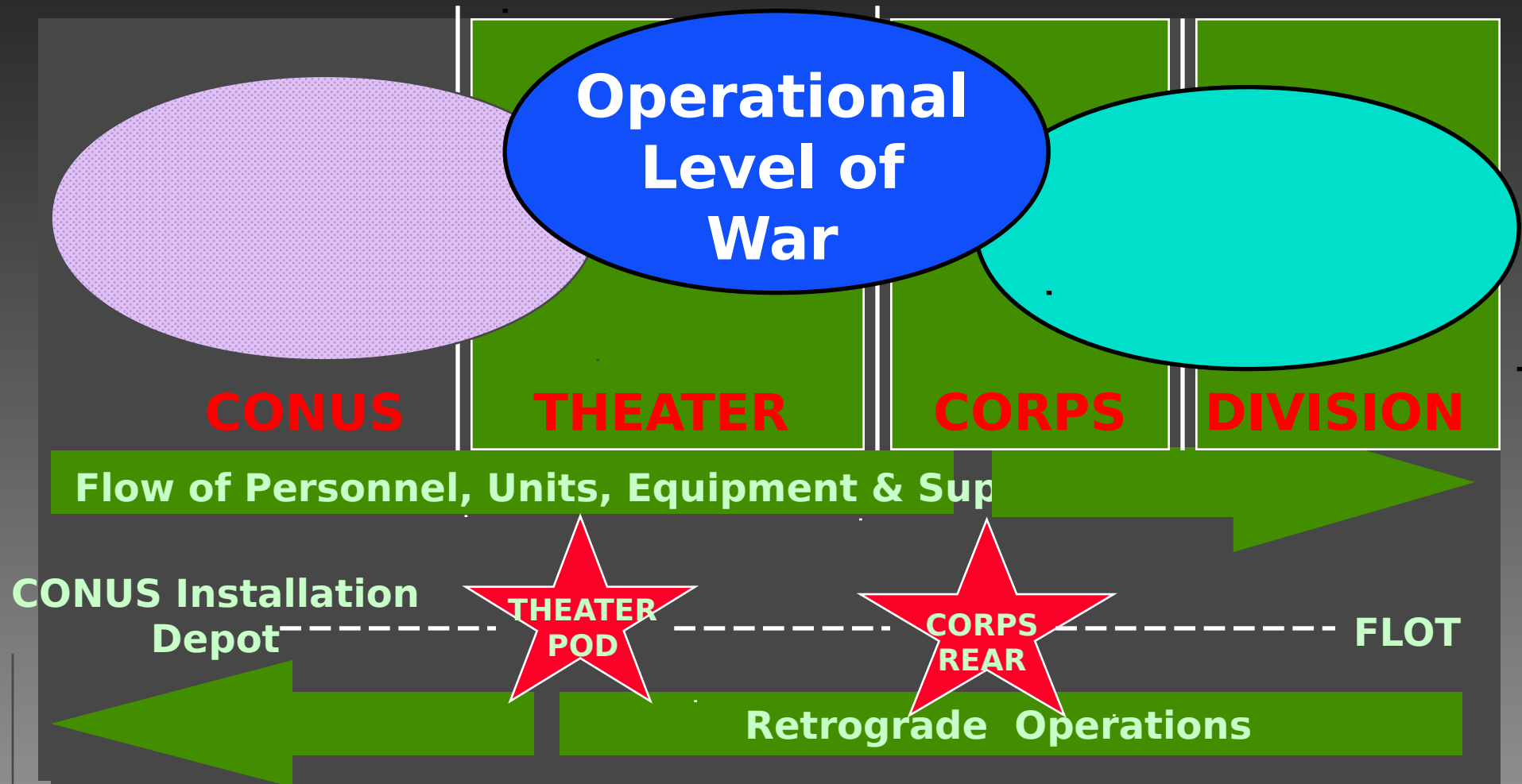
The 3 Levels of War



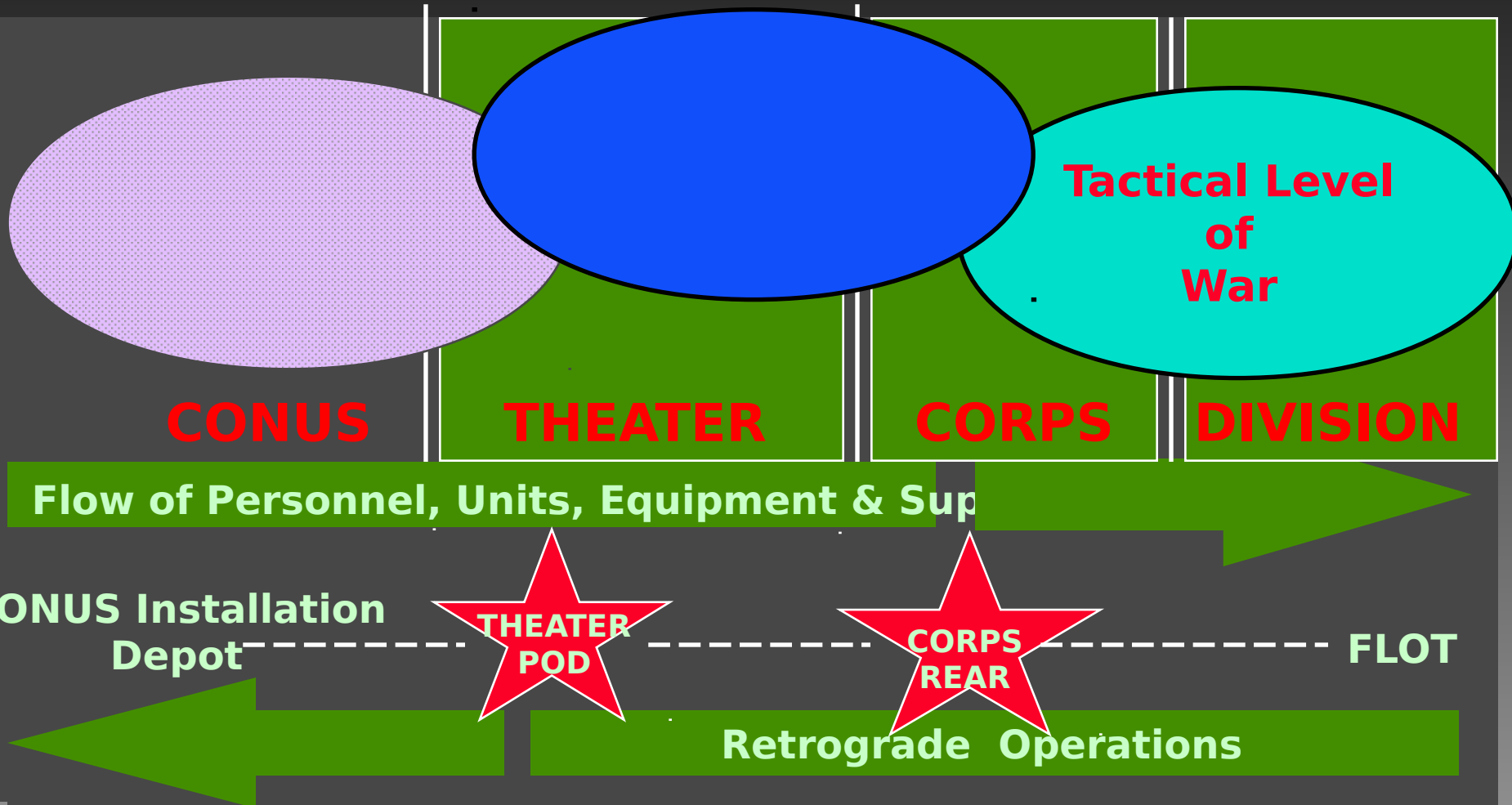
MOVEMENT CONTROL CONTINUUM



MOVEMENT CONTROL CONTINUUM



MOVEMENT CONTROL CONTINUUM



MOVEMENT SYNCHRONIZATION



MOVEMENT SYNCHRONIZATION COMPONENTS

A Venn diagram with three overlapping circles. The top circle is yellow with a red border and contains the text 'MOVEMENT CONTROL FM 55-10'. The bottom-left circle is blue and contains the text 'MANEUVER FM 100-5'. The bottom-right circle is green with a white border and contains the text 'BATTLE FIELD CIRCULATION CONTROL FM 19-1'. The circles overlap in the center and at the intersections of two circles.

**MOVEMENT
CONTROL
FM 55-10**

**MANEUVER
FM 100-5**

**BATTLE FIELD
CIRCULATION
CONTROL
FM 19-1**

COMBAT SERVICE SUPPORT TASKS

FUEL

ARM

MOVE

FIX

**SUSTAI
N**

MAN

Each task in itself
is difficult.
Takes movement to
perform other tasks.

Movement Control Principles

Centralized Control/Decentralized Execution

Maximum Use of Carrying Capacity

Fluid and Flexible Movements

Regulated Movements

Forward Support



CENTRALIZED CONTROL / DECENTRALIZED EXECUTION

- ❖ Control centralized at highest level at which can be adequately exercised
 - Requires focal point for mov't planning and resource allocation at all levels
 - Focal point must be aware of requirements and capabilities
- ❖ Execution decentralized
 - Enhances flexibility for local requirements

MAXIMUM USE OF CARRYING CAPACITY

- ❖ More than fully loading trucks . . .
 - Fully utilize daily capability.
 - ❖ Transportation capability cannot be stored.
 - ❖ Holding for special missions/weapons *is* considered appropriate use.
- ➡ Keep transportation assets loaded and moving as much as the tactical situation permit.

FLUID AND FLEXIBLE MOVEMENTS

- ❖ Transportation system must provide uninterrupted traffic flow
- ❖ One of biggest challenges of MC: rapidly adjusting to changing battlefield conditions and priorities
- ❖ Movement planners must anticipate need for alternate modes and routes

▣ Movement control cannot be successful unless traffic can be diverted or rerouted.

REGULATED MOVEMENTS

- ❖ To support highly mobile forces & increased supply consumption rates . . .
- ❖ Prevents conflict/congestion
- ❖ Especially important when sharing resources with allies/host nation

▣ Movements must not be validated, approved, or initiated if any part of the transportation system cannot meet the requirement.

FORWARD SUPPORT

- ❖ Support forward (LOG C2)
- ❖ Use transportation to weight the battle.
- ❖ Balance with centralized control.

MOVEMENT TRIAD

The Movement Triad Consists of:



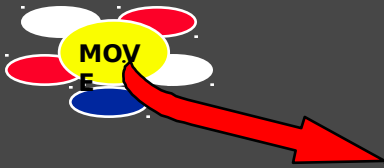
A diagram showing three green ovals arranged in a triangle. The top oval is labeled 'MOVEMENT CONTROL'. The bottom-left oval is labeled 'MODE OPERATIONS'. The bottom-right oval is labeled 'TERMINAL OPERATIONS'. Small black squares are located at the top-left, top-right, bottom-left, and bottom-right corners of the diagram area.

MOVEMENT CONTROL

MODE OPERATIONS

TERMINAL OPERATIONS

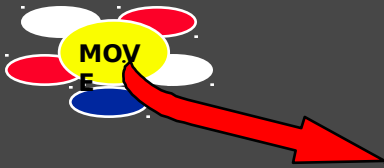
MODE OPERATIONS



MODE OPERATIONS

FM 55-20 RAIL
FM 55-30 MOTOR
FM 55-40 AIR
FM 55-50 WATER

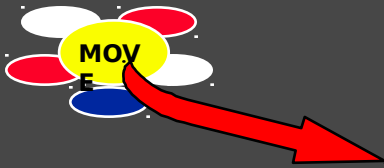
TERMINAL OPERATIONS



TERMINAL OPERATIONS

FM 55-60 TERMINAL

MOVEMENT CONTROL



MOVEMENT CONTROL



**FM 55-10
MOVEMENT CONTROL
FM 100-17
MOBILIZATION, DEPLOYMENT...**

MOVE TRIAD STAFF & ORGANIZATIONS

	Staff Plann	Move Manag	Multi-Funct Mode	Mode / Terminal
DIVISION	er DTO	er MCO	Operator MSB	Operator TMT Co
CORPS	CTO	MCC MCT MRT ATMCT	CSG CSB CSB	LT / MED TRK Co MED & POL TRK Co PLS TRK Co HET TRK Co Corps AVN Bde
THEATER	DCSLOG TRANS	TAMCA Trans Bns (MC) MCT MRT		TRANSCOM Trans Grps Trans Bns / AVN Bde

MOVEMENT CONTROL TEAMS/DETACHMENTS

- **Present Configuration**
 - 5 MCTs (Team LA-LE)
 - 2 ATMCTs (Teams LF, LG)
 - 1 MRT (Team LH)
- **Approved Configuration**
 - 1 Port Movement Control Detachment (D
 - 1 Area Movement Control Detachment (D
 - 1 Division Support Movement Control De
(Detach LC)
 - 1 Movement Regulating Detachment (De

MISSION CONTROL MISSIONS

❖ Provide Transportation Support

- Manage common user transportation assets.
- Commit mode operators.



MOVEMENT CONTROL MISSIONS

❖ Highway Regulation

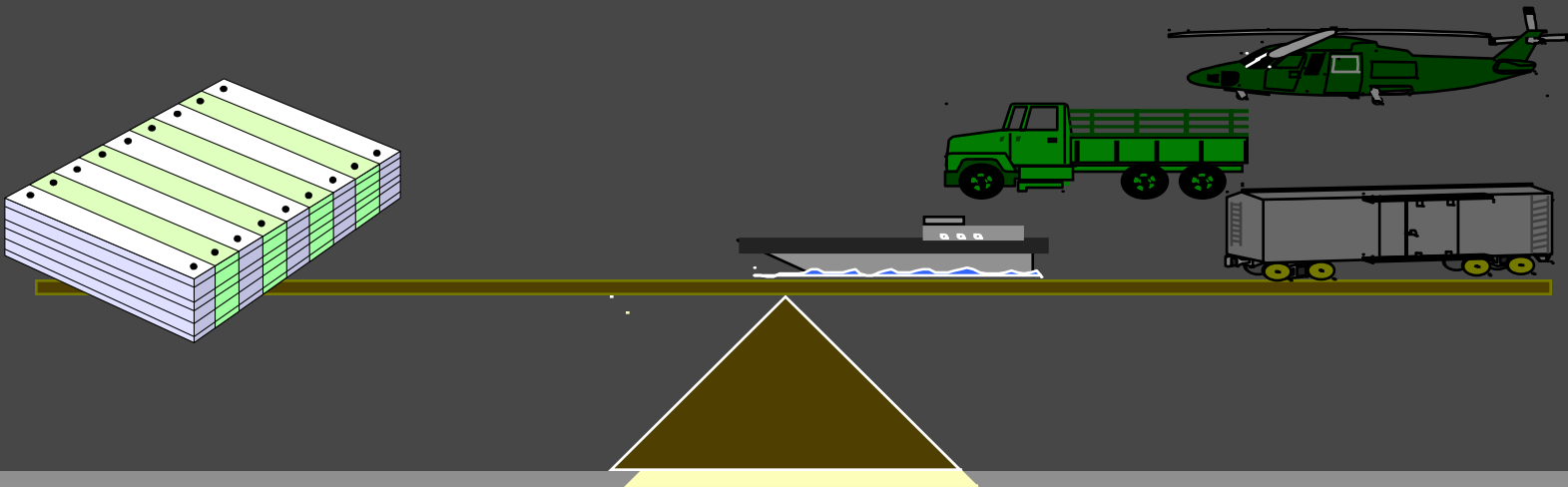
- Planning, routing, scheduling, and deconflicting movements on road networks.
- Performed by Movement Managers except in a Division area.



MOVEMENT CONTROL MISSIONS

❖ Movements Programming

- Balancing movement requirements and transportation capabilities
- Performed by Movement Managers



MOVEMENT CONTROL MISSIONS

❖ In-Transit Visibility (ITV) and Total Asset Visibility (TAV)

- Location information for equipment, units, supplies, and personnel.
- Responsibility of Movement Managers

